098/14-15

ಅನಾಥ್. ಕೆ.ಎ ಮ್ಯಾನೇಜ್

9/06/2014, ಶಂಮು

ಸಂಖ್ಯೆ: 209701 - 209800

ಶಂಮು ಅಮೃತಾಂಶು. ಸ್ವಚ್ಛತೆಯನ್ನಿದೆ
ಕೃಪೆಯೇಕಾಸದೆ

ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ.
ಬೃ.ಬೆ.ಮ.ಪಾ. ಯಲಹಂಕ ವಲಯ
ವಿಜಯನಗರ, ಬೆಂಗಳೂರು-92.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209701

Serial No. .....
Name of Work ..... From..... To..... BR-401
Name of Contractor of nature of Agency 29-11-14
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work:- Improvements to Cross roads & drains at Naidu layout in Ward No. 11 Work Code No.:- 011-12-000067 Estimated Cost:- Rs. 10.00 Lakhs Work order No.:- EE/BTP/KRIDL/WO/54/14-15 Date:- 18-7-14 Name of Agency:- Technical Manager KRIDL Bangalore.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Recorded 4/8/14						
	1) Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 mtrs and an average lift upto 0.5 m excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods etc. Complete as per specifications.						
	Desilting of Drain						
		2	30.00	0.45	0.35	9.45	
		2	30.00	0.45	0.35	9.45	
		2	30.00	0.45	0.40	10.80	
		2	30.00	0.45	0.40	[illegible]	
		2	30.00	0.45	0.45	12.15	
		2	28.60	0.45	0.35	9.01	

C & Fc

ಸಹಾಯಕ ಆಭಿಯಂತರರು
ವಿದ್ಯಾರ್ಥಿಗಳು ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು-97

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	For Road work both Sides	

OOK

...th	Depth 6	Contents 7	Reference to last Measurement 8
...meaus is Hand soil involving ...ndss and an average lift ...ed and sides neatly dressed ...tly after breaking of clods ...s.			
...5x 0·35 = 9·45			C & Fc
...5x 0·35 = 9·45			
...5x 0·40 = 10·80			
...x 0·40 = 10·80			ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ, ಯಲಹಂಕ ವಲಯ, ಬ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97
...5x 0·45 = 12·15			
...x 0·35 = 9·01			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209702

Serial No. ....

Name of Work .... From................................ To...................................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For Road work both sides	2 x	30·00 x	0·90 x	0·20 =	10·80	C & Fc
		2 x	30·00 x	1·00 x	0·15 =	9·00	
		2 x	30·00 x	1·05 x	0·20 =	12·60	
		2 x	30·00 x	0·95 x	0·10 =	5·70	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ, ಯಲಹಂಕ ವಲಯ, ಬ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97
		2 x	30·00 x	1·00 x	0·15 =	9·00	
		2 x	28·60 x	1·10 x	0·20 =	12·58	
				Total Qty		121·34 m^3	
				Limited to		120·15 m^3	
			JN 90·72				Rs. 10900=00

[signature] 4/8/14 [signature] 4/8/14

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2) Removing B.S Slab Drains & Stacking etc. premeasurement Qty Vide Page No 209-180						
	Total Qty 232.20 m2						
	Limited To 229.50 m2						
	Qty 50.11					Rs. 11500200	
	3) Refixing B.S Slab of Drains & pointing in Con(1:3) etc.						
	Qty Vide Item No 2						
	Total Qty 229.50 m2						
	Qty 70.04					Rs. 16074=00	

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Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
	4) Scarifying existing st with their bituminous and Stacking of old B Sequential Spreading aggregates on prepared bound Macadam Spri Hom of Machinries etc Kuveguveger IInd Stage Cross Road	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
g etc.		
agent 209.180		
gth 232.20 m2		
ed TO 229.50 m2		
1	Rs, 11500200	
ing is Con(1:3) etc.		
item No 2		
delgth 229.50 m2		
70.04	Rs, 16074200	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209703

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
4)	Scarifying existing stone metal layer up to 75 mm thick along with their bituminous surface, piling up scarified material and stacking of old serviceable materials with lead of 100 m sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound Macadam Specifications including cost of all labour tom of Machineries etc complete as per Specifications.						
	Kuveyuveger IST Stage Cross Road	1	x30.00	x5.40/5.00 / 2		= 156.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross Road	1	30.00	$\frac{5.00+4.90}{2}$		= 148.50	
		1	18.90	$\frac{4.90+4.90}{2}$		= 92.61	
		1	30.00	$\frac{5.20+4.60}{2}$		= 147.00	
		1	30.00	$\frac{4.60+4.60}{2}$		= 138.00	
		1	18.90	$\frac{4.60+4.40}{2}$		= 85.05	
	Varadaraja Nagar Bolanee Road	1	30.00	$\frac{5.10+5.10}{2}$		= 153.00	
		1	22.80	$\frac{5.10+5.30}{2}$		= 118.56	

C&Fc

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Interior Road	
	5) providing & laying aggregates to	

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
	+4.90	= 148.50	
	+4.90	= 92.61	
	4.60	= 147.00	
	4.60	= 138.00	
	.40	= 85.05	
	.10	= 153.00	
	.30	= 118.56	

C&Fc

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209704

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Interior Road	1	30.00	$\frac{5.20+4.70}{2}$		= 148.50	
		1	25.60	$\frac{4.70+4.70}{2}$		= 120.32	
				Total Qty		1307.54 M²	
				Limited to		1068.00 M²	
				@ Rs. 72.79		Rs. 77740-00	

Tulsi 7/8/14 — 7/8/14

5) providing & laying spreading, compacting graded stone aggregates to uniform Malabar Specifications including

OOK

Depth 6	Contents 7	Reference to last Measurement 8
Coat	from 12.2 to 14.6 kg/	
rosity over prepared		
ut back m.c 70 or any		
el at 13 kg/ sq.m heated		
ray Set (including		
ding Cost of all materials		
plete as per Specifications		
No. 6		
ty 1246.00 m²		
07 Rs. 1770192.00		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209708

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
8)	providing and laying Semi dense bituminous Concrete 25mm thick with 100-120 TPH batch type Hmp producing an average output of 75 tonnes per Hour using crushed aggregates of Specified grading, premixed with bituminous binder at 4.5 to 6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level & alignment rolling with smooth wheeled, Vibratory & tandem rollers						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	to cutting the desired compaction as per MORTH Specifications clause No 501.8 with 60/70 grade bitumen using 40-60 Hmp etc. Complete as per Specifications.						
	Kunjur Nagar IInd Stage Cross Road	1	30.00	6.00+6.00/2	0.025	= 4.65	
		1	30.00	6.00+4.80/2	0.025	= 4.09	
		1	18.90	4.80+4.80/2	0.025	= 2.32	
	Cross Road	1	3100	6.20+4.60/2	0.025	= 3.68	

C&FC.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ವಿದ್ಯುದ್ವಲಯ ಉಪ ವಿಭಾಗ,
ಬೆಸ್ಕಾಂ ವಲಯ,
ಬೆ.ಮ.ಸಾ. ಬೆಂಗಳೂರು-9

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Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Vanedang Nagar Balance Road	1
	Interior Road	1

th	Contents 7	Reference to last Measurement 8
	as per MORTH	
	60/70 grade bitumen	
	Specifications.	
	025 = 4.65	
	025 = 4.09	
	025 = 2.32 C&Fc.	
	025 = 3.64	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರ
ವಿಚಕ್ಷಣಾಧಿಕಾರಿಯ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬ್ರ. ಬೆ. ಪ ಪಾ . ಬೆಂಗಳೂರು-97

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209709

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	$\frac{4.60+4.62}{2}$	0.025	= 3.45	
		1	18.90	$\frac{4.60+4.48}{2}$	0.025	= 2.13	
	Varadaraj Nagar Balance Road	1	30.00	$\frac{5.10+5.12}{2}$	0.025	= 3.83	C&Fc
		1	22.80	$\frac{5.10+5.30}{2}$	0.025	= 2.96	
	Interior Road	1	30.00	$\frac{5.20+4.70}{2}$	0.025	= 3.71	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರರು
ವಿಚಕ್ಷಣಾಧಿಕಾರಿಯ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬ್ರ. ಬೆ. ಪ ಪಾ . ಬೆಂಗಳೂರು-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	25.60	4.70	4.70/2	0.025 = 3.01	
						33.81 m3	
						Limited TO 31.15 m3	
						Rs. 310919=00	
						Total Qty Limited TO 31.15 m3	
	9) Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading & Unloading From 0.00 TO 2.00 KMs etc						
	Qty vide Item No 1						
	10) Sub Total						
	KRIDL charges @						
	QC charges @						

Executive Engineer
Byatarayanapura Division
Yelahanka
Bangalore

M. A.
Mea

Serial No. .....
Name of Work ..... From.
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
2	0.025	3.01	
		33.81 m3	
TO		31.15 m3	
.36		Rs. 310919=00	
		Rs 25/9/14	
be payble of carriage			
cluding loading &			
etc			
Rs 1			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209710

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			Total 84+4			84.11 m3	
			Rs 72.71			Rs. 6115=00	
10)	Sub Total					Rs. 892773=00	
	KRIDL charges @ 11%					Rs. 98205.00	
	QC charges @ 1%					Rs. 8928.00	
					Total	Rs 999906=00	
						990976=00	

Rs 25/9/14

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ಪಲಯ,